

**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**  
**U.S. DEPARTMENT OF COMMERCE**  
**Patent and trademark office**

ATTORNEY DOCKET NO.:

As a below named inventor, I hereby declare that:

**Sang-Won HA:** 105-201, Sunghatown, 248-5, Sintanjin-dong, Daedeok-gu, Daejeon 306-260, Korea;

**Byoung-Ho RHEE :** 206-1101, Expo Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-761, Korea;

**Kyoung-Hwan LIM:** 307-1302, Songgang Green Apt., Songgang-dong, Yuseong-gu, Daejeon 305-751, Korea;

**Kyoung-Up SHIN:** 115-503, Jugong Apt., 658, Sajik-dong, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do 361-100, Korea;

**Dek-Gin YANG:** 34-5, Haengjeong-ri, Gadeok-myeon, Cheongwon-gun, Chungcheongbuk-do 363-852, Korea  
 My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural name are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**PRINTED CIRCUIT BOARD AND MANUFACTURING METHOD THEREOF**

The specification of which:

Is attached hereto; or

was filed as United States application Serial No. \_\_\_\_\_ on \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable); or

was filed as PCT international application Number \_\_\_\_\_ on \_\_\_\_\_ and was amended under PCT Article 19  
 on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office information which is material to the patentability of claims presented in this application in accordance with Title 37, Code of Federal Regulations Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate or Section 365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.



**PRIOR FOREIGN APPLICATION(S):**

| COUNTRY<br>(if PCT, indicate PCT) | APPLICATION NUMBER | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED  |
|-----------------------------------|--------------------|--------------------------------------|---|
| KOREA                             | 2003-80603         | (14, 11, 2003)                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
|                                   |                    |                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No            |

|   |                         |                           |                |                  |
|---|-------------------------|---------------------------|----------------|------------------|
| <b>Combined Declaration for Patent Application and Power of Attorney (Continued)</b><br>(includes Reference to PCT international Applications)<br><b>ATTORNEY DOCKET NO.:</b>   |                         |                           |                |                  |
| I hereby claim the benefits under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below.   |                         |                           |                |                  |
| <b>U.S. PROVISIONAL APPLICATIONS</b>  |                         |                           |                |                  |
| <b>U.S. PROVISIONAL APPLICATION NO.</b>   |                         | <b>U.S. FILING DATE</b>   |                |                  |
|   |                         |                           |                |                  |
|   |                         |                           |                |                  |
|   |                         |                           |                |                  |
| I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or Section 365(c) of any PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to the patentability of claims presented in this application in accordance with Title 37, Code of Federal Regulations, Section 1.56 which become available between the filing date of the prior application(s) and the national or PCT international filing date of this application: |                         |                           |                |                  |
| PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT:   |                         |                           |                |                  |
| <b>U.S. APPLICATIONS</b>  |                         | <b>STATUS (Check One)</b> |                |                  |
| <b>U.S. APPLICATION NO.</b>   | <b>U.S. FILING DATE</b> | <b>PATENTED</b>           | <b>PENDING</b> | <b>ABANDONED</b> |
|   |                         |                           |                |                  |
|   |                         |                           |                |                  |
|   |                         |                           |                |                  |
|   |                         |                           |                |                  |
| <b>POWER OF ATTORNEY:</b> As a named inventor, I hereby appoint the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that Customer Number.<br><br>Customer Number: 009629<br><br>Direct Telephone Calls To:<br>(Name and telephone number)  |                         |                           |                |                  |
| <b>Robert J. Gaybrick</b><br><b>202-467-7000</b>  |                         |                           |                |                  |

| Combined Declaration for Patent Application and Power of Attorney (Continued)<br>(includes Reference to PCT international Applications)<br>ATTORNEY DOCKET NO.:   |  |                              |
|---|--|------------------------------|
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize that validity of the application or any patent issuing thereon. |  |                              |
| FULL NAME OF SOLE OR FIRST INVENTOR   | Sang-Won HA  |                              |
| RESIDENCE & CITIZENSIP  | Daejeon, KOREA   | COUNTRY OF CITIZENSHIP KOREA |
| POST OFFICE ADDRESS   | 105-201, Sunghatown, 248-5, Sintanjin-dong, Daedeok-gu, Daejeon 306-260, Korea   |                              |
| FIRST OR SOLE INVENTOR'S SIGNATURE  | 하상원  | DATE Feb. 23, 2004           |
| FULL NAME OF SECOND INVENTOR  | Byoung-Ho RHEE   |                              |
| RESIDENCE & CITIZENSIP  | Daejeon, KOREA   | COUNTRY OF CITIZENSHIP KOREA |
| POST OFFICE ADDRESS   | 206-1101, Expo Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-761, Korea            |                              |
| SECOND INVENTOR'S SIGNATURE   | Byoung-Ho  | DATE February 27, 2004       |
| FULL NAME OF THIRD INVENTOR   | Kyoung-Hwan LIM  |                              |
| RESIDENCE & CITIZENSIP  | Daejeon, KOREA   | COUNTRY OF CITIZENSHIP KOREA |
| POST OFFICE ADDRESS   | 307-1302, Songgang Green Apt., Songgang-dong, Yuseong-gu, Daejeon 305-751, Korea |                              |
| THIRD INVENTOR'S SIGNATURE  | 임경환  | DATE 23. 2. 2004             |

Listing of Inventors Continued on attached page(s): [X] Yes [ ] No

| Combined Declaration for Patent Application and Power of Attorney (Continued)<br>(includes Reference to PCT international Applications)<br>ATTORNEY DOCKET NO.:  |   |                                 |
|--|---|---------------------------------|
| <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize that validity of the application or any patent issuing thereon.</p> |   |                                 |
| FULL NAME OF<br>FOURTH INVENTOR  | Kyoung-Up SHIN  |                                 |
| RESIDENCE &<br>CITIZENSIP  | Chungcheongbuk-do, KOREA  | COUNTRY OF<br>CITIZENSHIP KOREA |
| POST OFFICE<br>ADDRESS   | 115-503, Jugong Apt., 658, Sajik-dong, Heungdeok-gu, Cheongju-si,<br>Chungcheongbuk-do 361-100, Korea |                                 |
| FOURTH INVENTOR'S SIGNATURE   |   | DATE 23. 2. 2004                |
| FULL NAME OF<br>FIFTH INVENTOR   | Dek-Gin YANG  |                                 |
| RESIDENCE &<br>CITIZENSIP  | Chungcheongbuk-do, KOREA  | COUNTRY OF<br>CITIZENSHIP KOREA |
| POST OFFICE<br>ADDRESS   | 34-5, Haengjeong-ri, Gadeok-myeon, Cheongwon-gun,<br>Chungcheongbuk-do 363-852, Korea                 |                                 |
| FIFTH INVENTOR'S SIGNATURE    |   | DATE 23. 2. 2004                |
| FULL NAME OF<br>SIXTH INVENTOR   |   |                                 |
| RESIDENCE &<br>CITIZENSIP  |   | COUNTRY OF<br>CITIZENSHIP       |
| POST OFFICE<br>ADDRESS   |   |                                 |
| SIXTH INVENTOR'S SIGNATURE   |   | DATE                            |

Listing of Inventors Continued on attached page(s): [ ] Yes [X] No